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Dated: September 17, 2004 Signature: Norman Green

(Norman Green)

*JFW*  
Docket No.: 564462001613  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Walter CALLEN et al.

Application No.: 10/034,621

Art Unit: 1652

Filed: December 21, 2001

Examiner: R. Hutson

For: ENZYMES HAVING HIGH TEMPERATURE  
POLYMERASE ACTIVITY AND METHODS  
OF USE THEREOF

**SUPPLEMENTAL RESPONSE AND AMENDMENT**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

This paper is in response to the Office Communication mailed September 02, 2004, and also supplements Applicants' RCE response of August 25, 2004, which was responsive to the Final Office Action mailed April 28, 2004. A response to the Office Communication of September 02, 2004, is initially due October 02, 2004. Accordingly, this paper is timely filed. Applicants respectfully request entry of the amendments and consideration of the remarks set forth herein.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 11 of this paper.

The following documents are also enclosed herewith:

09/21/2004 CNGUYEN 00000100 031952 10034621

01 FC:2202 30.00 DA  
02 FC:2201 172.00 DA

sd-220291

Adjustment date: 09/30/2004 6DUCKETT  
09/21/2004 CNGUYEN 00000100 031952 10034621  
01 FC:2202 30.00 CR  
02 FC:2201 172.00 CR

09/30/2004 000001 031952 10034621  
01 FC:2201 34.00 DA  
02 FC:2202 54.00 DA